

**AGENDA ITEM 4
SPECIAL UPDATE ON HIPAA AUDIT RESOLUTION STATUS
AS OF JUNE 30, 2008**

Audit Activity (Report Issue Date)	Responsibility	Description of Risk / Finding	Status/Comments
Health Insurance Portability and Accountability Act (8/12/04)	Health Benefits Branch	<p>1.1 CalPERS should develop comprehensive policies and procedures to maintain and demonstrate compliance with requirements of Health Insurance Portability and Accountability Act (HIPAA).</p> <p>2.1 CalPERS should ensure that its training program specifically identifies staff that require training, appropriate training to be provided, and ensure attendance at that training. Training documentation should demonstrate ongoing compliance with HIPAA requirements.</p> <p>4.1 CalPERS should develop a continuous and formalized system to identify, update and document personal health information and staff access to the information.</p>	<p>COMPLETE. HIPAA Administration published policies and procedures into the HIPAA portal. The Office of Audit Services will continue to monitor for ongoing HIPAA compliance.</p> <p>IN PROGRESS. HIPAA Administration has begun efforts to train new employees through the two day New Employee Orientation class. In addition, training is provided through the Leadership Essentials and Direction for your Emerging Role (L.E.A.D.E.R) class. HIPAA staff has developed an overview training program which, by August 31, 2008, will be distributed to all managers for use in staff meetings to train existing staff on HIPAA requirements. Managers will report completion of this training to the HIPAA Office by e-mail by December 31, 2008. The division has submitted a corrective action plan with a target completion of June 30, 2008 <u>December 31, 2008</u>.</p> <p>COMPLETE. HIPAA Administration has identified and documented the business units subject to HIPAA compliance and the locations of Protected health Information.</p>
HIPAA Security Compliance Review (10/20/06)	Health Benefits Branch	<p>3.3 Health Benefits Branch, as data owner, has not established written policies and procedures that define roles and responsibilities for Electronic Protected Health Information access authorization. It should establish written policies and procedures for authorizing access to Electronic Protected Health Information owned by it.</p>	<p>IN PROGRESS. The HIPAA Privacy Officer is continuing to work with Employer and Member Health Services and Health Policy and Program Support to identify the policies and procedures for granting employee access to information systems containing Electronic Protected Health Information. The division has submitted a corrective action plan with a target completion of July 1, 2008 <u>December 31, 2008</u>.</p>

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HIPAA Security Compliance Review (10/20/06) (continued)	Health Benefits Branch	<p>4.1 Health Benefits, as a data owner, has not established policies and procedures that clearly state how access to Electronic Protected Health Information should be granted. It should establish policies that will limit access to Electronic Protected Health Information to the minimum needed to carry out job functions.</p> <p>9.1 CalPERS does not have an adequate process in place to identify all contractors requiring a business associate agreement. The HIPAA Privacy Officer should ensure that they develop and document a set of criteria for determining whether a contract is a business associate contract.</p> <p>9.2 The HIPAA Privacy Officer should work with Information Security, Operations Support Services, and Health Benefits to develop a mechanism to identify all business associates when contracts are created.</p> <p>9.3 The HIPAA Privacy Officer and Information Security should work together to identify all existing business associate contracts.</p>	<p>IN PROGRESS. The HIPAA Privacy Officer is continuing to work with Employer and Member Health Services and Health Policy and Program Support to identify the policies and procedures for granting employee access to information systems containing Electronic Protected Health Information. The division has submitted a corrective action plan with a target completion of July 1, 2008 <u>December 31, 2008</u>.</p> <p>COMPLETE. The HIPAA Privacy Officer developed a Business Associate Agreement decision tool for contract managers to use as a guide prior to execution of a contract. The decision tool will assist in determining if a firm meets the criteria to be considered a business associate.</p> <p>IN PROGRESS. The HIPAA Privacy Officer developed a decision tool to ensure contracts are reviewed prior to execution and to determine if a business associate agreement is required. The HIPAA Privacy Officer is continuing to work with Information Technology Services to implement a process to identify potential business associates within Information technology Services' Spring Fed Pool. The division has submitted a corrective action plan with a target completion of July 1, 2008 <u>December 31, 2008</u>.</p> <p>IN PROGRESS. HIPAA Administration has worked with Operations Support Services and Information Security to identify existing business contracts. HIPAA Administration is currently working to determine if contracts within Information Technology Services' Spring Fed Pool require business associate agreements. The division has submitted a corrective action plan with a target completion of July 1, 2008 <u>December 31, 2008</u>.</p>

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HIPAA Security Compliance Review (10/20/06) (continued)	Health Benefits Branch	11.2 Because CalPERS has not identified all information assets containing Electronic Protected Health Information, we were not able to locate a listing of workstations that can access Electronic Protected Health Information. Health Benefits should maintain an inventory of workstations having access to Electronic Protected Health Information.	COMPLETE. The HIPAA Privacy Officer maintains a floor plan that identifies Health Benefit Branch workstation locations.
	Health Benefits/ Operations Support Services/ Information Security Office	7.2 Business continuity plan does not include procedures addressing the protection of Electronic Protected Health Information while operating in an emergency mode. Health Benefits, Operations Support and Information Security should review the plan to address the adequacy of protection.	COMPLETE. Health Benefits Branch continues worked with the Information Security Office and Operations Support Services to review and revise the Business Continuity Plan to ensure that adequate safeguards over protected health information are in place. Health Benefits developed a decision logic table and review framework that is included in the Business Continuity Plan. Operations Support services implemented new security requirements for controlling access to the Emergency Operations Center.
	Information Security Office	1.1 A thorough assessment has not been conducted of the potential risks and vulnerabilities to the confidentiality, integrity, and availability of all Electronic Protected Health Information. The Information Security Office should conduct this assessment.	IN PROGRESS. The Information Security Office states that it has received approval for three additional positions with which to develop and implement a risk assessment and management program. The Information Security Office states that the risk analysis pilot program was completed in April 2008. The Information Security Office states it has started the HIPAA risk assessment with plans of completion by July 31, 2008 <u>August 2008</u> .
		1.2 CalPERS implements security measures to protect information assets housed at CalPERS to readily demonstrate HIPAA security compliance. Information Security Office should implement required security specifications and assess whether each addressable specification is a reasonable safeguard in the CalPERS environment based on risk analysis results.	IN PROGRESS. The Information Security Office states that this finding will be addressed as part of the IT infrastructure and Health Benefits Branch assessments. The Information Security Office plans completion of these assessments, which will include all identified data systems containing Electronic Personal Health Information, by August 2008.

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HIPAA Security Compliance Review (10/20/06) (continued)	Information Security Office	<p>1.4 CalPERS' Event Logs Practice requires specific security events be logged at key servers. However, the practice does not specify which events must be logged at which system components, nor does it specify monitoring roles, responsibilities and frequency.</p> <p>3.1 CalPERS' Data Owners and Custodians Practice states that data owners are responsible for authorizing access to assets. However, it does not clearly state who should authorize logical access by technical support staff, and physical access to locations where Electronic Protected Health Information can be accessed.</p> <p>3.2 CalPERS' Data Owners and Custodians Practice is not clear on who should supervise employees and contractors working with Electronic Protected Health Information in areas that are outside the data owner's control. Information Security should establish or modify security practices to provide clearer guidelines.</p>	<p>IN PROGRESS. The Information Security Office states that it plans to create a HIPAA Security Practice that identifies security requirements specifically for systems containing Electronic Protected Health Information. The Information Security Office states that the new practice will be drafted after the Health Benefits Branch risk assessment is completed in August 2008 and plans to finalize the practice by October 2008.</p> <p>IN PROGRESS. The Information Security Office states that it is preparing a new process by which data owners can give Information Technology Services senior management the authority to approve access for technical support staff. Information Technology Services will be required to establish access authorization processes that require two levels of approval. The Information Security Office states that it will revise the Lincoln Plaza Complex Access Card Security Practice to include physical security requirements for the Regional Offices and the Emergency Operations Center. The Information Security Office plans to implement the new process and practice by August 2008.</p> <p>IN PROGRESS. The Information Security Office states that it has purchased an appliance to assist data owners with monitoring responsibilities. It expects the appliance to be operational by October 2008. The Information Security Office states that it plans to create a HIPAA Security Practice to provide guidelines for supervising employees and contractors working with Electronic Protected Health Information in locations outside the data owner's area of control. The Information Security Office states that the new practice will be drafted after the Health Benefits Branch risk assessment is completed in August 2008 and plans to finalize the practice by October 2008.</p>

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HIPAA Security Compliance Review (10/20/06) <i>(continued)</i>	Information Security Office	<p>3.6 CalPERS has not performed a risk assessment to determine whether the current extent of employment screening process is sufficient for protecting Electronic Protected Health Information. Information Security, upon completion of risk analysis, should assess whether current screening is sufficient.</p> <p>3.9 CalPERS does not have a security practice that requires timely termination of physical access to locations where Electronic Protected Health Information can be accessed. Information Security should establish or revise current security practice to define the requirement.</p> <p>4.3 CalPERS' User Account Maintenance Practice requires timely modification of user access; however, it does not contain requirements regarding access establishment. Information Security should modify the practice to provide clearer guidelines.</p>	<p>IN PROGRESS. The Information Security Office states it requested a legal opinion regarding CalPERS' ability to implement background checks in July 2006; the opinion was delivered on November 9, 2007. The Information Security Office is working with Human Resources on the feasibility of augmenting existing reference check processes. The Information Security Office states that it plans to document any additional security requirements a new HIPAA Security Practice. The Information Security Office states that the new practice will be drafted after the Health Benefits Branch risk assessment is completed in August 2008 and plans to finalize the practice by October 2008.</p> <p>IN PROGRESS. The Information Security Office states it will revise the Lincoln Plaza Complex Access Card Security Practice to include timely termination requirements and extend physical security requirements to the Regional Offices and the Emergency Operations Center. These requirements will be included in the new HIPAA Security Practice. The Information Security Office plans to revise the Lincoln Plaza Complex Access Card Practice by August 2008 and complete the new HIPAA Security Practice by October 2008.</p> <p>IN PROGRESS. The Information Security Office states that it has modified the Data Owner and Custodian Practice and published the Identity Authentication Practice. The Information Security Office states it will address data owner responsibilities for Electronic Protected Health Information in the new HIPAA Security Practice which is to be completed in October 2008.</p>

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HIPAA Security Compliance Review (10/20/06) <i>(continued)</i>	Information Security Office	<p>5.1 CalPERS' Virus Practice requires anti-virus software to be installed on all applicable computer server systems; however, it does not clearly define which servers are applicable. Information Security should revise the Practice to clarify which servers are required to have the software installed.</p> <p>5.2 CalPERS' Event Logs Practice requires logging of invalid user authentication attempts and unauthorized attempts to access resources. Information Security should incorporate current log-in monitoring practices into security risk analysis and risk mitigation strategy.</p>	<p>IN PROGRESS. The Information Security Office states that it has amended the practice to require all servers to have anti-virus software installed. The Information Security Office, in collaboration with Information Technology Services Branch, purchased compliance tools to ensure servers have the required controls in place. The new HIPAA Security Practice will document controls relied on to guard against, detect and report malicious software. The Information Security Office states that the new HIPAA Security Practice will be completed in October 2008 and revised, if necessary, upon implementation of the compliance tools and that these tools should be fully implemented by December 2008.</p> <p>IN PROGRESS. The Information Security Office states it evaluated processes used to monitor invalid log-in attempts as part of its IT infrastructure risk assessment completed in April 2008. In addition, the Information Security Office has purchased a logging and monitoring tool. The Information Security Office states it is on track with the Health Benefits Branch risk assessment and the new HIPAA Security Practice. However, implementation of the logging and monitoring tool is delayed due to resource constraints. The Information Security Office is working with the Information Technology Services Branch to develop an implementation schedule to install in a test environment and will document event logging requirements specifically for systems that contain Electronic Protected Health Information in a new HIPAA Security Practice to be published in October 2008.</p>

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HIPAA Security Compliance Review (10/20/06) (continued)	Information Security Office	<p>5.3 Information Technology Services uses systems to enforce password standards when feasible. Information Security should incorporate various administrators' current password practices into the security risk analysis and risk mitigation strategy.</p> <p>5.4 Deviations from the CalPERS Password Practice were not always supported with documented variances approved by Information Security. Information Security should ensure that system administrators implement procedures and comply with the Practice.</p> <p>6. CalPERS' Information Security Incidents Practice defines the events considered to be reportable incidents; however, current security practice and procedures do not adequately specify response efforts. Information Security should amend current security practices.</p> <p>8.1 CalPERS has not conducted a thorough assessment of potential risks and vulnerabilities to Electronic Protected Health Information security. Information Security should establish security baselines upon completion of a risk analysis.</p>	<p>IN PROGRESS. The Information Security Office will develop and provide password security awareness training for administrators. In addition, it will document deviations from the Identity Authentication Practice as exceptions are discovered during the risk assessment. Target completion date June 30, 2008 <u>August 2008</u>.</p> <p>IN PROGRESS. The Information Security Office will work with system administrators to implement procedures to ensure compliance with CalPERS' Identity Authentication Practice for all information systems containing EPHI,. These requirements will be included in the HIPAA Security Practice. Target completion date is October 2008.</p> <p>IN PROGRESS. The Information Security Office states that the HIPAA Security Practice will define incidents reportable specific to Electronic Protected Health Information and the systems that contain it, and document what must be reported to the Information Security Office. It will also document processes for gathering evidence, eliminating known damage and causes of incidents, and external communication and reporting. The HIPAA Security Practice will be published in October 2008.</p> <p>IN PROGRESS. The Information Security Office states that the risk assessment of the Health Benefits Branch and any other systems containing Electronic Protected Health Information will be used to establish and document security baselines. In addition, the new HIPAA Security Practice will consolidate security requirements specific to protecting Electronic Protected Health Information. The new HIPAA Security Practice will be completed by October 2008.</p>

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HIPAA Security Compliance Review (10/20/06) (continued)	Information Security Office	<p>8.2 Information Security should establish a process for periodic evaluation of administrative, physical, and technical safeguards in response to environmental or operational changes affecting the security of Electronic Protected Health Information.</p> <p>8.4 CalPERS' Certification and Accreditation Practice requires that information applications and/or systems must undergo security certification and accreditation to certify that the information is protected. Information Security should ensure that this is performed periodically.</p> <p>9.4 The Information Security Office should ensure that CalPERS develops appropriate security requirement provisions to be included in all existing and future business associate contracts.</p> <p>10.1 CalPERS currently does not have a security practice that addresses granting facility access during an emergency. Information Security should establish security practices to outline physical security requirements.</p>	<p>IN PROGRESS. The Information Security Office states that it has implemented the Risk Assessment and Management Program, which consists of a biennial cycle of risk assessment of all program areas and an annual assessment of technology use and infrastructure management. In addition to the Risk Assessment and Management Program, staff will develop procedures to periodically assess compliance with administrative, physical, and technical safeguards for Electronic Protected Health Information. Recommendations for mitigations will be made, and remediation activities will be tracked and monitored. The assessment procedures will be developed in conjunction with the implementation of the monitoring tools by June 2009.</p> <p>IN PROGRESS. The Information Security Office states that it is working with Information Technology Services to revise the certification and accreditation process. The Information Security Office is updating its corrective action plan for this finding.</p> <p>IN PROGRESS. The Information Security Office has developed new contract language for use with business associate agreements and is in the process of getting approval for the new language. The Information Security Office is updating its corrective action plan for this finding.</p> <p>IN PROGRESS. The Information Security Office has determined that the best approach to ensure the integrity and confidentiality of information assets during an emergency is to have a single security policy that is applicable in all situations. This approach will be validated when implementing the Risk Assessment and Management Program. Information Security Office will revise security practices to incorporate this approach by August 2008.</p>

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HIPAA Security Compliance Review (10/20/06) (continued)	Information Security Office	<p>10.3 Currently, Information Security does not have information security practices addressing physical security. It should establish security practice(s) to specify facility security requirements based on the risk assessment.</p> <p>10.5 CalPERS security practices do not require documentation of repairs and modifications to security related physical components of headquarter buildings. Information Security should establish a practice to require documentation.</p> <p>11.1 CalPERS security practices do not specify proper functions to be performed on all different types of workstations, and physical attributes of the surroundings of a specific workstation. Information Security Office should establish these practices.</p>	<p>IN PROGRESS. The Information Security Office states that upon completion of the Health Benefits Branch risk assessment, it will a new develop a HIPAA Security Practice that will define specific requirements for limiting physical access to the data center, communications closets, and the Emergency Operations Center. In addition, the new practice will address physical security of the environmental controls over the data center and Emergency Operations Center, as well as desktop, laptop and workstation location security. The Health Benefits Branch risk assessment will be completed in August 2008. The HIPAA Security Practice will be completed in October 2008.</p> <p>IN PROGRESS. The Information Security Office states that upon completion of the Health Benefits Branch risk assessment, it will develop new criteria for documenting repairs and modifications to the physical security components. The Information Security Office will document the criteria in the new HIPAA Security Practice to be completed by October 2008.</p> <p>IN PROGRESS. The Information Security Office states that it has modified security practices to specify physical attributes of workstations based on its knowledge of how Electronic Protection Health Information can be accessed at CalPERS. It plans to conduct a security risk assessment of the Health Benefits Branch to be completed in August 2008. Any mitigation measures identified will be included in the new HIPAA Security Practice to be completed by October 2008.</p>

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HIPAA Security Compliance Review (10/20/06) (continued)	Information Security Office	<p>12. Because workstations are located in areas where physical access is more permissive than logical access, physical access alone does not restrict workstation access to only authorized users of Electronic Protected Health Information. Information Security should incorporate this as part of the risk analysis.</p> <p>13.2 Information Security practices do not specifically address media re-use. Media may include removable diskettes used by employees. Information Security Office should either amend the practices to specifically address media re-use or establish an additional practice.</p> <p>13.4 CalPERS' security practices do not specifically require the maintenance of records tracking the movements of hardware and electronic media internally. Information Security should determine if this is necessary and then establish or amend security practices as necessary.</p> <p>13.6 Current security practices and procedures do not require data backup to be created prior to moving equipment. Information security should address the need to require data to be backed up before movement of equipment.</p>	<p>IN PROGRESS. The Information Security Office states that the Health Benefits Branch risk assessment will incorporate current workstation security as part of the risk analysis and evaluate the need for increased physical security for workstations, particularly those outside of Health Benefits Branch, or increased use of alternative logical access safeguards to ensure adequate workstation security. These requirements will be incorporated into the HIPAA Security Practice to be completed by October 2008.</p> <p>IN PROGRESS. The Information Security Office has hired two new staff in April 2008. The target date to commence compliance visits has been delayed to August 2008. The Information Security Office is updating its corrective action plan for this finding.</p> <p>IN PROGRESS. The Information Security Office states that IT infrastructure risk assessment is complete but has not finished management review. Upon management review, the identified mitigations will be undertaken. The Information Security Office is updating its corrective action plan for this finding.</p> <p>IN PROGRESS. The Information Security Office is updating its corrective action plan for this finding.</p>

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HIPAA Security Compliance Review (10/20/06) (continued)	Information Security Office	<p>14.1 Technical support staff using shared accounts to access systems that maintain Electronic Protected Health Information do not always obtain an approved variance. Information Security should notify Security Administration upon identification of all systems containing Electronic Protected Health Information.</p> <p>14.3 CalPERS does not have a security practice that addresses access control during an emergency. Information Security should set forth security requirements that access should be restricted only to those persons that have been granted access rights during an emergency.</p> <p>14.6 CalPERS does not require any data, including Electronic Protected Health Information, to be encrypted when sent across internal networks and while in storage. Information Security should address this need based on risk analysis results.</p> <p>15.1 CalPERS' Event Logs Practice does not require a retention period of 6 years or recording of functions performed. Information Security should modify the Event Logs Practice to require the recording and retention requirements.</p>	<p>IN PROGRESS. The Information Security Office states that the assessment of Health Benefit Branch is scheduled for March 2008 to May 2008. Applications used by HBB will be identified and all access will be mapped. The Information Security Office is updating its corrective action plan for this finding.</p> <p>IN PROGRESS. The Information Security Office states that all provisions and requirements defined in the security practices apply in all situations, including emergencies, and a revised policy clearly stating this will be published. The Information Security Office is updating its corrective action plan for this finding.</p> <p>IN PROGRESS. The Information Security Office has conducted an IT infrastructure risk assessment and will consider whether it is necessary to require encryption of data at-rest and in-motion on internal CalPERS-controlled networks. If yes, additional resources will be identified and funds will be requested through the budget request process. The Information Security Office is updating its corrective action plan for this finding.</p> <p>IN PROGRESS. The Information Security Office is revising the event logs requirement. The Information Security Office purchased an event logging appliance in May 2007. This tool is capable of collecting logs in such a manner that impact on system performance is expected to be minimal. The Information Security Office is updating its corrective action plan for this finding.</p>

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HIPAA Security Compliance Review (10/20/06) (continued)	Information Security Office	15.2 The Document Management System does not log who viewed imaged documents, or when and where the imaged documents are created, printed, exported, or viewed. The Event Logs Practice should be modified to provide clearer guidelines.	IN PROGRESS. The Information Security Office is revising the event logs requirement. The Information Security Office purchased an event logging appliance in May 2007. This tool is capable of collecting logs in such a manner that impact on system performance is expected to be minimal. The Information Security Office is updating its corrective action plan for this finding.
		16. A thorough risk analysis of the technical environment in which all Electronic Protected Health Information resides has not been conducted. Upon completion of risk analysis, Information Security should document the controls utilized to corroborate that Electronic Protected Health Information has not been altered or destroyed in an unauthorized manner.	IN PROGRESS. The Information Security Office has conducted the IT infrastructure risk assessment and will document existing security controls and deficiencies. Additional resources may be required to implement remediation. The Information Security Office is updating its corrective action plan for this finding.
		18. Because CalPERS has not identified all the locations where Electronic Protected Health Information resides, we cannot determine whether current security measures are adequate. Information Security should determine whether additional controls are needed to ensure that Electronic Protected Health Information is properly protected during transmission.	IN PROGRESS. The Information Security Office has conducted an IT infrastructure risk assessment and will consider whether it is necessary to require encryption of data during transmission. Should additional encryption technology be required, it would be requested as part of the formal budget request process. The Information Security Office is updating its corrective action plan for this finding.
	Security Administration	8.3 Security Administration should ensure timely implementation of technical safeguards once the security baselines are established and updated.	IN PROGRESS. Security Administration Services, in coordination with the Information Security Office and Office of Audit Services, has made progress in developing the Certification and Accreditation process. Once all systems containing HIPAA data are identified by the Information Security Office, Security Administration will schedule those systems for the certification process. A corrective action plan was submitted. The target completion date is pending Information Security Office's identification of all systems containing HIPAA data.

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